

Research Topic

ISCRAES 2027: Roots of Resilience: The Land-Health Nexus as a Blueprint for Climate-Smart Food Systems



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Submission deadlines

31 January 2027
Summary

31 July 2027
Manuscript

Healthy soils and resilient landscapes are vital to food production, biodiversity and climate action. Yet climate risks and land degradation are putting increasing pressure on the natural resources that food systems depend on. Understanding how land health, agriculture and climate interact can help build food systems that are both productive and resilient.

This Research Topic explores the Land-Health Nexus: the links between soil, water, plants, livestock and the atmosphere. We welcome research on soil carbon sequestration, nutrient cycling, resilient crops, diversified farming, agroforestry and sustainable value chains. We are also interested in how digital tools such as AI, remote sensing and precision agriculture can help monitor land health, improve resource use and track greenhouse gas emissions.

We invite original research, methods, reviews, case studies, perspectives and brief research reports on climate-smart and sustainable food systems. Submissions may draw on work presented at ISCRAES or contribute a wider perspective. Researchers who did not attend the conference are warmly encouraged to submit.

For more information
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